FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: February 21, 1996
Date Received: February 15, 1996
Project: Metro Self Monitor, PO #M52292
Date Samples Extracted: February 20, 1996
Date Extracts Analyzed: February 20, 1996

RESULTS FROM THE ANALYSIS OF THE PROCESS WATER SAMPLE FOR CHROMIUM, COPPER, NICKEL, ZINC USING METHOD 6010

Samples Processed Using Method 3005

Results Reported as mg/L (ppm)

Sample ID	Chromium	Copper	Nickel	Zinc
M52292	0.76	1.0	0.41	0.08
Method Blank	<0.05	<0.05	<0.05	<0.05

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QUALITY ASSURANCE RESULTS FOR CHROMIUM, COPPER, NICKEL, AND ZINC Samples Processed Using Method 3005

Laboratory Code: 66614DP

Analyte:	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.76	0.77	1	0-20
Copper	mg/L (ppm)	1.0	1.0	0	0-20
Nickel	mg/L (ppm)	0.41	0.43	5	0-20
Zinc	mg/L (ppm)	0.08	0.08	0	0-20

Laboratory Code: 66614MS/MSD

Analyte:	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	Relative Percent Difference
Chromium	mg/L (ppm)	5	0.76	101	97	80-120	4
Copper	mg/L (ppm)	5	1.0	94	88	80-120	7
Nickel	mg/L (ppm)	10	0.41	103	99	80-120	4
Zinc	mg/L (ppm)	5	0.08	101	101	80-120	0

Laboratory Code: Spike Blank

Analyte:	Reporting Units	Spike Level	% Recovery MS	Acceptance Criteria
Chromium	mg/L (ppm)	5	100	80-120
Copper	mg/L (ppm)	5	93	80-120
Nickel	mg/L (ppm)	10	102	80-120
Zinc	mg/L (ppm)	5	100	80-120

KNS AI
2-15-96
2:05

FRIEDMAN & BRUYA, INC.
3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282

SAMPLE CHAIN OF CUSTODY

Send Report To: Company Alaskan Copper Works Contact Gerald Thompson
Address 628 Hanford St
City, State, Zip Seattle WA 98134
Phone # (206) 382-8375 Date 2-15-96

SITE NO.	PROJECT NAME	PURCHASE ORDER #
7238	Metro Self monitor	M 52292

SAMPLERS (signature)

PROJECT LOCATION: 3200 6th Ave S.

REMARKS

SAMPLE DISPOSAL INFORMATION
- ☐ Dispose after 30 days
- ☑ Return Samples
- ☐ Call for Instructions

Sample #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
M 52292	2/15/96 12:30	H_2O	1	66614	CK Cu Ni Zn

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by:	Gerald Thompson	A.C.W.	2/15/96	1:5
Received by: Cathy Downing	C. Downing	F+B, I	2/15/96	1:5
Relinquished by:				
Received by:				

FORMS/COC 09/.../94

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

February 21, 1996

INVOICE # 96ACU0221-1
DUPLICATE COPY

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO #M52292: Results of testing requested by Gerry Thompson, Project Manager for material submitted on February 15, 1996.

1 process water sample analyzed for Chromium, Copper, Nickel, and Zinc using Method 6010 @ $65 per sample	$ 65.00
Amount Due	$ 65.00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

February 21, 1996

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on February 15, 1996 from your Metro Self Monitor, PO #M52292 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kurt Johnson
Chemist

keh
Enclosures
FAX: 0382-7335
ACU0221R.DOC